ABSTRACT OF THE DISCLOSURE

There is provided an efficient data rearrangement
method which reduces the number of processing operations to
5   shorten processing time, and deals with optional rules. The
method includes: a) storing data in a first data storage
section; b) storing data rearrangement information in a
stack; and c) reading the data stored in the first data
storage section, and storing the data in a second data
10   storage section based on the data rearrangement information
stored in the stack.